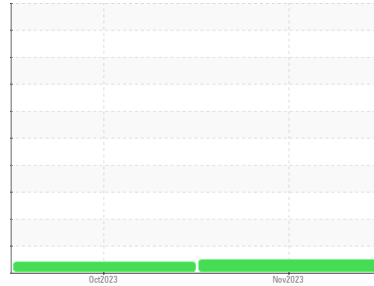


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Recycling Line
Machine Id
Vecoplan Main Drive
Component
Gearbox
Fluid
PETRO CANADA ENDURATEX SYNTHETIC EP 320 (4 GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample. (Customer Sample Comment: Replaced old oil (unknown brand) for Enduratex 320 from the storage.)

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0107748	PCA0106227	---
Sample Date	Client Info		09 Nov 2023	26 Oct 2023	---
Machine Age	yrs	Client Info	0	0	---
Oil Age	yrs	Client Info	0	0	---
Oil Changed	Client Info		Diff Oil	Not Changd	---
Sample Status			NORMAL	ATTENTION	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		14	16	---
Iron	ppm	ASTM D5185m >200	0	1	---
Chromium	ppm	ASTM D5185m >15	0	0	---
Nickel	ppm	ASTM D5185m >15	0	0	---
Titanium	ppm	ASTM D5185m	0	<1	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	0	0	---
Lead	ppm	ASTM D5185m >100	<1	0	---
Copper	ppm	ASTM D5185m >200	0	0	---
Tin	ppm	ASTM D5185m >25	<1	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 33	31	2	---
Barium	ppm	ASTM D5185m 5	0	0	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	0	0	---
Magnesium	ppm	ASTM D5185m 5	0	0	---
Calcium	ppm	ASTM D5185m 5	<1	0	---
Phosphorus	ppm	ASTM D5185m 437	451	379	---
Zinc	ppm	ASTM D5185m 5	0	0	---
Sulfur	ppm	ASTM D5185m 5000	5779	91	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	<1	24	---
Sodium	ppm	ASTM D5185m	0	<1	---
Potassium	ppm	ASTM D5185m >20	<1	0	---

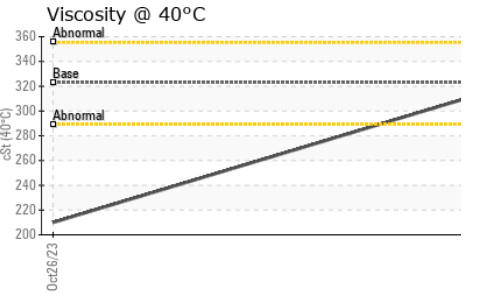
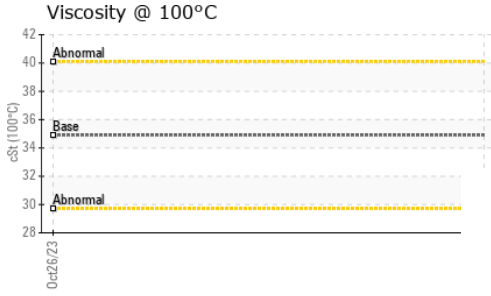
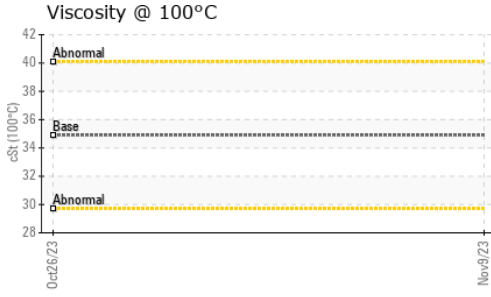
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.7	0.96	0.30	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	NONE	---
Debris	scalar	*Visual NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
Appearance	scalar	*Visual NORML	NORML	NORML	---
Odor	scalar	*Visual NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual >0.2	NEG	NEG	---
Free Water	scalar	*Visual	NEG	---	---

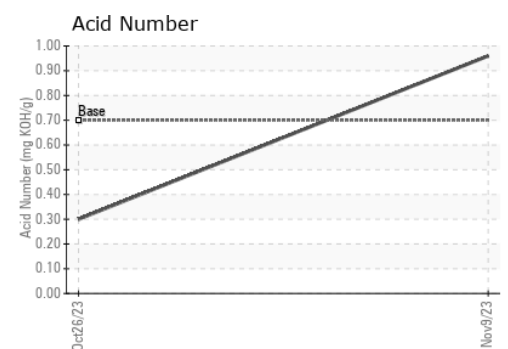
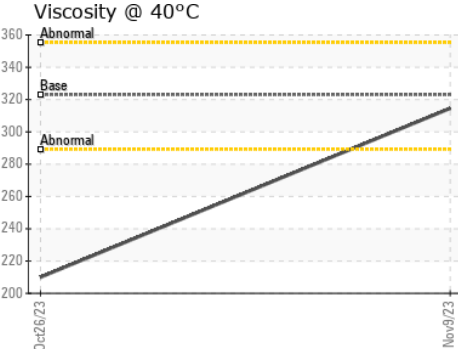
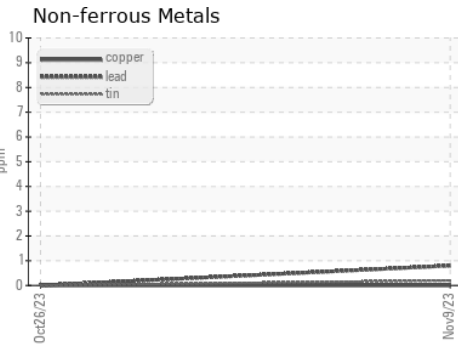
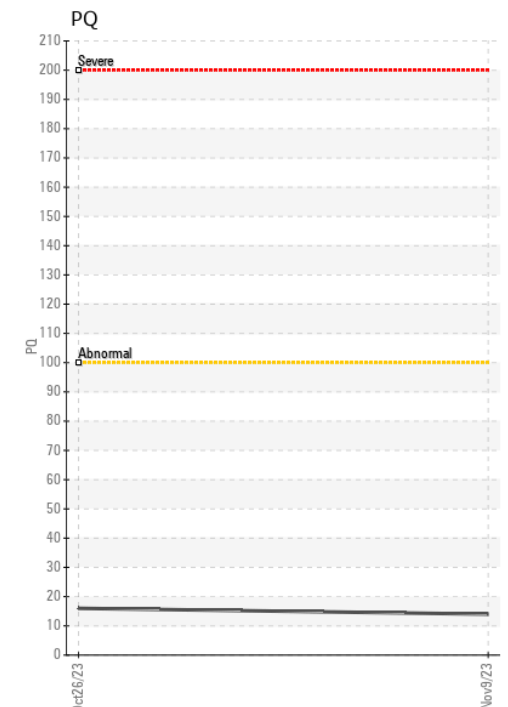
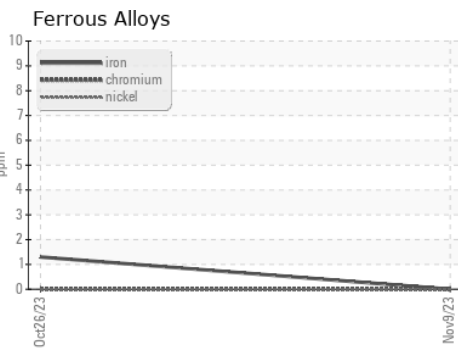
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	323	314.6	▲ 210	---
Visc @ 100°C	cSt	ASTM D445	34.9	34.43	---	---
Viscosity Index (VI)	Scale	ASTM D2270	153	153	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						no image
Bottom						no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0107748 **Received** : 10 Nov 2023
Lab Number : 06005118 **Diagnosed** : 15 Nov 2023
Unique Number : 10738880 **Diagnostician** : Jonathan Hester
Test Package : PLANT (Additional Tests: KV100, VI)

IKO HAGERSTOWN
 160 IKO WAY
 HAGERSTOWN, MD
 US 21740
 Contact: LUIS FERNANDEZ
 luis.fernandez@iko.com
 T: (240)267-4100
 F:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)